

Amendments to the Claims:

This listing of claims will replace all prior versions and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An apparatus comprising: A personal computer including, but not limited to:

[[a]] the personal computer being configured to provide a wireless network connection to a network of said personal computers, the network including an Internet;

the personal computer being further configured to initiate a computer processing participate in an operation shared with at least one other another said personal computer, and the personal computer also being configured to execute a shared computer processing operation initiated by the at least one other personal computer;

the personal computer including a microchip including a microprocessor with at least a control unit and at least one a processing unit, the control unit being configured to allow a user of the personal computer to control the at least one processing unit;

the microchip including [[a]] an internal firewall configured to permit deny access by the at least one other personal computer through the network to the least one processing unit to execute the shared computer processing a portion of the microchip during the operation initiated by the at least one other personal computer;

the microchip including a non-volatile memory component;

the microchip including a power management component; and
the microchip including active configuration of ~~at least one~~ a circuit integrated into the microchip.

2. (Currently Amended) The apparatus personal computer of claim 1, wherein the internal firewall is configured ~~during the shared computer processing operation~~ to deny access to the ~~at least one processing unit~~ another portion of the microchip by the control unit and to deny access to the control unit by the ~~at least one~~ other personal computer.

3. (Currently Amended) The apparatus personal computer of claim 1, wherein the internal firewall is a hardware firewall.

4. (Currently Amended) The apparatus personal computer of claim 1, wherein the microchip includes a control and the processing unit and the internal firewall is configured to permit access by the other personal computer through the network to a first processing unit to execute an operation initiated by the other personal computer.

5. (Currently Amended) The apparatus personal computer of claim 1, wherein the active configuration is provided by the use of field-programmable gate arrays (FPGAs).

6. (Currently Amended) The apparatus personal computer of claim 1, wherein the active configuration is provided by the use of a micro electromechanical system (MEMS).

7. (Currently Amended) The apparatus personal computer of claim 1, wherein the active configuration is used to configure said firewall.

8. (Currently Amended) The apparatus personal computer of claim 1, wherein the control unit is controlled by the use of a remote controller.

9. (Currently Amended) The apparatus personal computer of claim 1, wherein the personal computer includes one or more of a telephone, a radio, a pager, a handheld personal digital assistant, a wearable computer, a digital signal processor, an entertainment device, a game, a videocam, an optical data recording device, a camera, a household electronic device, a business electronic device, and an automobile.

10. (Currently Amended) The apparatus personal computer of claim 1, wherein the personal computer is configured to establish a direct wireless connection to the ~~at least one~~ other personal computer within a local cluster of personal computers.

11. (Currently Amended) The apparatus personal computer of claim [[1]] 4, wherein the microchip ~~includes more than one said processing units internal firewall is configured to deny access to a second processing unit by the other personal computer through the network.~~

12. (Currently Amended) The apparatus personal computer of claim 1, wherein the microchip includes a network communications component.

13. (Currently Amended) The apparatus personal computer of claim 1, wherein the microchip includes a flash memory component.

14. (Currently Amended) The apparatus personal computer of claim 1, wherein the flash memory component includes a BIOS (basic input/output system) of the personal computer.

15. (Currently Amended) The apparatus personal computer of claim 1, wherein the microchip includes a sound component of the personal computer.

16. (Currently Amended) The apparatus personal computer of claim 1, wherein the microchip includes a graphics component of the personal computer.

17. (Currently Amended) The apparatus personal computer of claim 1, wherein the microchip includes a video processing component of the personal computer.

18. (Currently Amended) The apparatus personal computer of claim 1, wherein the microchip includes an analog component of the personal computer.

19. (Currently Amended) The apparatus personal computer of claim 1, wherein the microchip includes a modem component of the personal computer.

20. (Currently Amended) The apparatus personal computer of claim 1, wherein the personal computer microchip includes more than one said microprocessors.

21. (Currently Amended) The apparatus personal computer of claim 1, wherein the personal computer microchip includes at least four said microprocessors.

22. (Currently Amended) The apparatus personal computer of claim 1, wherein the personal computer microchip includes at least sixteen said microprocessors.

23. (Currently Amended) The apparatus personal computer of claim 1, wherein the personal computer microchip includes at least sixty-four said microprocessors.

24. (Currently Amended) The apparatus personal computer of claim 1, wherein the network includes a World Wide Web.

25. (Currently Amended) The apparatus personal computer of claim 1, wherein the network includes an Intranet.